AG-1000 AUTOGROOVER

User's Manual

LUXVISION

Notification

Dear Users,
Thank you for your purchase of AG 1000 Auto Groover. Please take time to read our user's manual carefully before use.
This guarantees you to make full use of this unit and prolongs the operation life of this unit.

Precautions

If you have detected abnormal heat, smoke, noise or smell, immediately stop using the product.
In the event of an abnormality, turn off the power and disconnect the power plug from the power socket. Continuing to use the product may result in electric shock or fire.

Observe the instructions given below regarding the power cable:

- Be sure to use the supplied or specified power cable.
- Do not modify, forcibly bend, kink or pull the power cable.
- When disconnecting the power cable from the AC outlet, be sure to hold the cable by the plug.
  Pulling the cable may cause wire breakage or shot circuit, resulting in fire or electric shock.
- Do not connect or disconnect the plug of the power cable to/from the AC outlet using wet hands.
  Doing so may result in electric shock.
- Do not touch the product with wet hands while the power cable is connected to the AC outlet.
  Doing so may result in electric shock.
- If the product will not be used for a long period, disconnect the power cable from the power source. Leaving the cable connected to the power socket for a prolonged period will consume electricity and may result in heating.

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1. Name of Parts

Unpacking (Opening the carton)

- Open the carton and take out the unit in foam.
- The unit is carefully taken out and put in a roomy and flat place.

Accessories

One spare cutting wheel, one pair of carbon brushes, two pieces of spare clamp rubber, one spare belt.

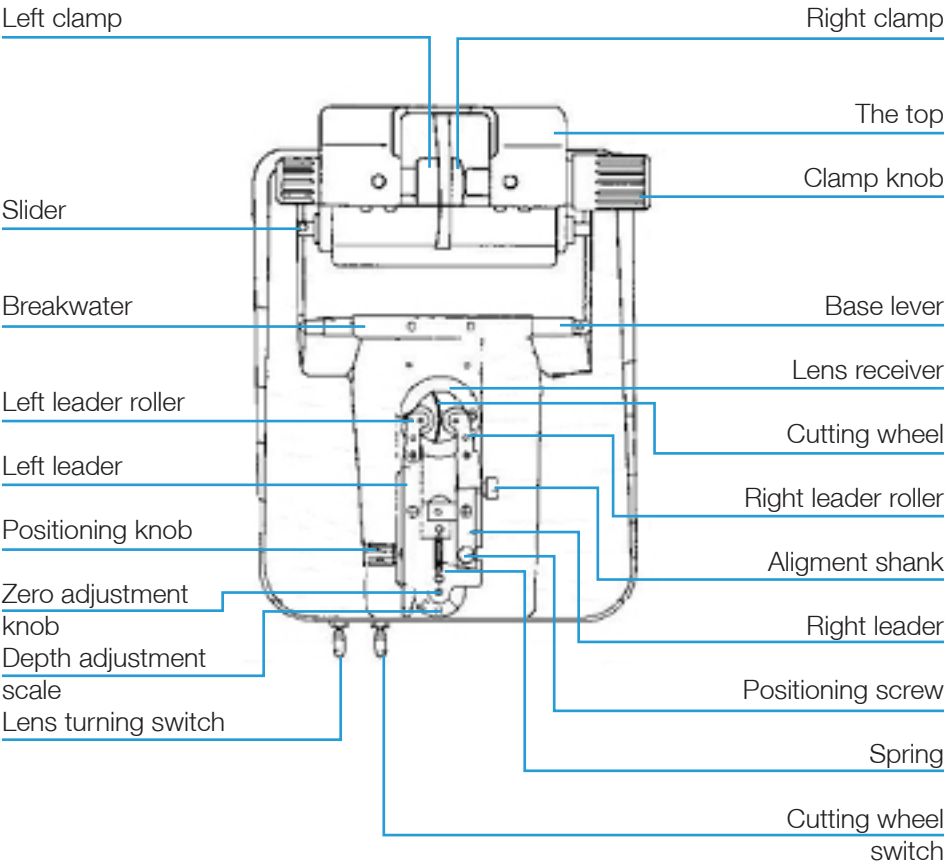

Fig. 1

2. Operation

All Types of Engrooving

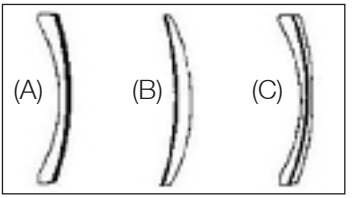

Fig. 2

(A) front arc engrooving

(B) back arc engrooving

(C) center engrooving

(A) Front Arc Engrooving
Turn anticlockwise the positioning knob on the lower left until the ideal position is reached.

(B) Back Arc Engrooving
Turn clockwise the positioning knob on the lower left until the ideal position is reached.

(C) Center Engrooving
Loosen the positioning screw and tighten it up in the central hole at the back. Turn the alignment knob to adjust the deviation until the central position is reached.

When this unit is set to a type of engrooving, the operations are as follows:

1. Depth adjustment scale is set to zero and two switches are off.

2. The sponge is placed between two plastic sheets on the base. A small amount of water is put on the sponge. The sponge should fully absorb the water. Too much water will make this unit get wet.

3. Lower the base to the position where the operation can be executed. Make sure the lens is in the center. Turn the clamp knob at 90° while the front of the lens points to your right.

4. Open the leader. Lower the lens between tow nylon wheels to enter the lens receiver. If all parts of this unit are installed, turn on the lens switch. The lens revolves at 90° to make sure the lens will not slip between the two wheels. Then turn on the cutting wheel switch. Adjust the depth adjustment scale to the extent you need.

5. After 60 seconds, the change of the cutting sound indicates the engrooving is completed. Turn off the cutting wheel switch and raise the top of the unit.

Notice

Please take two steps if you apply the depth engrooving to the hard lens. First, the engrooving goes a half depth. Second, the engrooving goes the other half depth.

3. Maintenance

- **Sponge:**

  Often clean the sponge. Before use, the sponge should fully absorb the water. When the sponge is broken, replace it as soon as possible. After use, clean the sponge.

- **Slider:**

  Keep the slider clean with a cloth in order to make the top of the unit move smoothly. Smear oil on the slider.

- **Replace the cutting wheel:**

  Turn off the power and insert a thin iron stick into the hole of the shaft. The shaft is locked and unable to move. The cytting wheel can be easily removed and reinstalled. See Fig. 3.

- **Replace the clamp rubber:**

  Open the lens clamp, move the left clamp and the right clamp to remove the clamp rubber. Then put in a new pair of rubber.

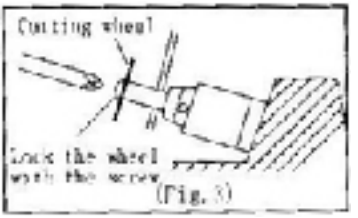

Fig. 3

4. Specifications

Lens	Mineral or plastic lens
Depth of engrooving	0 - 0. 7mm
Width of engrooving	0.6mm
Thickness of lens	1.5 - 11.0mm
Diameter of lens	28 - 70mm
Duration of engrooving	App. 60s
Dimensions	170 (W) x 210(L) x 150(H)mm
Weight	2. 7kg
Power	100 - 120V/60HZ or 200 - 240V/50HZ AC, 95W

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